

We Claim:

1. A transmission configuration, comprising:

a baseband component for processing a baseband signal, said baseband component having an input/output configured for digital data transmission;

a radio-frequency component for conversion of the baseband signal to a radio-frequency signal to be transmitted, said radio-frequency component having an input/output for digital data transmission and being connected, via an interface, to said input/output of said baseband component for digital transmission of payload data to be transmitted and of configuration data for configuration of said radio-frequency component;

a first digital multiple conductor connection for transmitting the payload data connected between said input/output of said baseband component and said input/output of said radio-frequency component; and

a second digital multiple conductor connection for transmitting the configuration data connected between said input/output of said baseband component and said input/output of said radio-frequency component;

said first digital multiple conductor connection including:

a data line for serial data transmission of payload data;

a bit clock line for transmission of a clock signal, with
in each case one bit of the data line being associated
with in each case one clock period; and

a word clock line for indicating a start of transmission
of a sequence of bits on said data line.

2. The transmission configuration according to claim 1,
wherein said radio-frequency component is configured for
mobile radio transmission.

3. The transmission configuration according to claim 1,
wherein said second digital multiple conductor connection
comprises:

a data line for serial data transmission of the configuration
data;

a bit clock line for transmitting a clock signal, with one
clock period each associated with one bit each on the data
line; and

a selection line for activating the radio-frequency component.

4. The transmission configuration according to claim 1, which comprises a synchronization line, for synchronization of the payload data in said radio-frequency component, connected between said input/output of said baseband component and said input/output of said radio-frequency component.

5. The transmission configuration according to claim 1, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces.

6. The transmission configuration according to claim 1, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces are configured for unidirectional data transmission from said baseband component to said radio-frequency component.

7. The transmission configuration according to claim 1, which further comprises a control line for driving a power amplifier for amplification of the radio-frequency signal connected between said baseband component and said radio-frequency component.

8. A transmission configuration, comprising:

a baseband component for processing a baseband signal, said baseband component having an input/output configured for digital data transmission;

a radio-frequency component for conversion of the baseband signal to a radio-frequency signal to be transmitted, said radio-frequency component having an input/output for digital data transmission and being connected, via an interface, to said input/output of said baseband component for digital transmission of payload data to be transmitted and of configuration data for configuration of said radio-frequency component;

a first digital multiple conductor connection for transmission of the payload data connected between said input/output of said baseband component and said input/output of said radio-frequency component; and

a second digital multiple conductor connection for transmission of the configuration data connected between said input/output of said baseband component and said input/output of said radio-frequency component;

said second digital multiple conductor connection including:

a data line for serial data transmission of the configuration data;

a bit clock line for transmitting a clock signal with one clock period each associated with one bit each on the data line; and

a selection line for activating said radio-frequency component.

9. The transmission configuration according to claim 8, wherein said radio-frequency component is configured for mobile radio transmission.

10. The transmission configuration according to claim 8, which comprises a synchronization line, for synchronization of the payload data in said radio-frequency component, connected between said input/output of said baseband component and said input/output of said radio-frequency component.

11. The transmission configuration according to claim 8, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces.

12. The transmission configuration according to claim 8, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces are configured for unidirectional data

transmission from said baseband component to said radio-frequency component.

13. A transmission configuration, comprising:

a baseband component for processing a baseband signal, said baseband component having an input/output configured for digital data transmission;

a radio-frequency component for conversion of the baseband signal to a radio-frequency signal to be transmitted, said radio-frequency component having an input/output for digital data transmission and being connected, via an interface, to said input/output of said baseband component for digital transmission of payload data to be transmitted and of configuration data for configuration of said radio-frequency component;

a digital interruption request line connected between said baseband component and said radio-frequency component.

14. The transmission configuration according to claim 13, wherein said digital interruption request line is configured for initiating resumption of the data transmission of said baseband component through said radio-frequency component.

15. The transmission configuration according to claim 13, wherein said radio-frequency component is configured for mobile radio transmission.

16. The transmission configuration according to claim 13, which further comprises a control line for driving a power amplifier for amplification of the radio-frequency signal connected between said baseband component and said radio-frequency component.

17. In a mobile radio system having a base station and at least one mobile station, the transmission configuration according to claim 1 in the mobile station for communication with the base station.

18. In a mobile radio system having a base station and at least one mobile station, the transmission configuration according to claim 8 in the mobile station for communication with the base station.

19. In a mobile radio system having a base station and at least one mobile station, the transmission configuration according to claim 13 in the mobile station for communication with the base station.